**Biofest Presentation Requirements**

Mrs. Krouse, PreAP Biology

**Overview:** For this portion of your Biofest project, you will be working with your group members to prepare and give a 15 minute presentation about your topic. All group members must contribute equally to this project. You will be required to complete peer evaluations upon completion of your presentation. For your project, you will create a Powerpoint presentation and sum-up activity for the class. The requirements for each portion of the project are given below.

**Due Date:** Your group will be presenting on Friday, May 27th or Tuesday, May 31st. All groups (regardless of presentation date) must have their Powerpoints submitted via email attachment to [ottolike@pwcs.edu](mailto:ottolike@pwcs.edu) by Friday, May 27th.

**Biofest:** One group from your class will be selected by Mrs. Krouse to present at Biofest. Biofest will be from 7-9 PM on Tuesday, June 7th or Wednesday, June 8th (final date still TBD). This group will receive several additional Biotech hours (final amount TBD) for presenting. The group will be required to create a handout to give to audience members and a take-home item for audience members. If you are selected to present at Biofest, Mrs. Krouse will help you to develop your handout and take-home item.

**Requirements for the In-Class Presentation:**

***Powerpoint:*** Your Powerpoint must include the following elements. The Powerpoint should take up about 10 minutes of your presentation.

1. A title slide with your group topic and the full names of all group members.
2. 3-4 slides with general information about the overall group topic. The information should be presented as a bulleted list with a logical flow of information. In other words, the facts should connect well with one another. During your presentation you will NOT read off the bulleted list. Instead, you will use the list as an outline for your discussion. By the end of this section of your presentation, your audience should have a clear, basic understanding of your group topic.
3. 3-4 slides with information about one of your group’s subtopics. Again, the information should be presented as a bulleted list with a logical flow of information. You must explain how this subtopic is related to the overall group topic. By the end of this section of your presentation, your audience should have a clear, basic understanding of the subtopic and be able to connect it to the overall topic.
4. 3-4 slides with information about another of your group’s subtopics. Again, the information should be presented as a bulleted list with a logical flow of information. You must explain how this subtopic is related to the previous subtopic AND the overall group topic. By the end of this section of your presentation, your audience should have a clear, basic understanding of the subtopic and be able to connect it to the first subtopic and the overall group topic.
5. 1-2 slides that explains why it is important to be knowledgeable of your group’s topic in today’s society.
6. Throughout your Powerpoint, you must include at least FIVE images that clearly connect to the topic you are discussing. You do not need to include citations for these images. At least two of these images must be diagrams, charts, or graphs that you explicitly and clearly explain to the audience.

***Sum-Up Activity:*** Your sum-up activity must meet the following requirements. The activity should take up 3-5 minutes of your presentation.

1. You must choose an activity that involves at least five of the audience members.
2. You must choose an activity that either reviews the material presented in your Powerpoint or extends their knowledge of the overall topic or one of the subtopics that was discussed in the Powerpoint.
3. You must choose an activity that is appropriate for a high school / junior high audience.
4. Below is a list of activities that have been successful in the past. You do not need to choose one of these options, but all groups must have their activity approved by Mrs. Krouse before the presentation date.

* An online simulation or activity that you pull up on Mrs. Krouse’s Smart Board (ex: an online crime scene DNA fingerprint matching activity)
* A 2D or 3D modeling activity (example: using paper cut-outs to model the process of creating a GMO animal, whole organism cloning, etc.)
* A simulation of how quickly viral or bacterial diseases spread through a population
* Have your audience view food labels and guess whether they contain genetically modified plants (see lesson plan and food labels at <http://www.agclassroom.org/teacher/matrix/lessonplan.cfm?lpid=86>)
* Have your audience read an article about mandatory genetic testing or designer babies and ask follow-up discussion questions
* You CANNOT do a review game like Jeopardy or Who Wants to be a Millionaire?

**Biofest Presentation Rubric**

Mrs. Krouse, PreAP Biology

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| --- | --- | --- | --- | --- |
| **Requirement** | **Meets Expectations**  (5 points) | **Near Expectations**  (3 points) | **Does Not Meet Expectations**  (1 point) | **Your Points and Comments** |
| Information about the overall group topic | The group members presented the information with:  -clarity (the bullet points connect logically)  -accuracy (nothing in the presentation is incorrect)  -detail | The group members presented the information in a way that is missing one of the following elements: clarity, accuracy, and detail. | The group members presented the information in a way that is missing two or three of the following elements: clarity, accuracy, and detail. |  |
| Information about the first subtopic | The group members presented the information with: clarity, accuracy, and detail  The group members clearly connected the subtopic with the overall group topic | The group members presented the information in a way that is missing one of the following elements: clarity, accuracy, and detail  OR the group members did not clearly connect the subtopic with the overall group topic | The group members presented the information in a way that is missing two or three of the following elements: clarity, accuracy, and detail  AND the group members did not clearly connect the subtopic with the overall group topic |  |
| Information about the second subtopic | The group members presented the information with: clarity, accuracy, and detail  The group members clearly connected the subtopic with the overall group topic and the first subtopic | The group members presented the information in a way that is missing one of the following elements: clarity, accuracy, and detail  OR the group members did not clearly connect the subtopic with the overall group topic and the first subtopic | The group members presented the information in a way that is missing two or three of the following elements: clarity, accuracy, and detail  AND the group members did not clearly connect the subtopic with the overall group topic and the first subtopic |  |
| **Requirement** | **Meets Expectations**  (5 points) | **Near Expectations**  (3 points) | **Does Not Meet Expectations**  (1 point) | **Your Points and Comments** |
| Communicating the importance of the topic in today’s society | The group members gave the audience a compelling argument for why it is important to be knowledgeable of this topic in today’s society. | The group members addressed why it is important to have knowledge of this topic, but the argument was weak and lacking supporting examples. | The group members did not address why it is important to have knowledge of this topic. |  |
| Images | The group members chose images that were directly related to the topic and subtopics discussed and included at least two diagrams, charts, or graphs.  The group members clearly explained what the two diagrams, charts, or graphs showed and how they related to the group topic or one of the subtopic. | The group members chose images that were loosely related to the topic and subtopics discussed and included at least two diagrams, charts, or graphs.  The group members provided a brief but inadequate explanation of the two diagrams, charts, or graphs. | The group members chose images that were not related to the topic and subtopics discussed.  The group members either did not include two diagrams, charts, or graphs, or they did not provide an explanation for these images. |  |
| Sum-Up Activity | The group members’ activity includes at least five audience members  The group members’ activity reviews or extends the audience’s knowledge of the group topic or a subtopic.  The group members’ activity is appropriate for a high school / junior high audience. | The activity is missing one of the requirements listed in the “Meets Expectations” column. | The activity is missing two or three of the requirements listed in the “Meets Expectations” column. |  |